



CYLINDRICAL SMD RESISTORS



KEY BENEFITS

- 3 industry-standard sizes: 0102, 0204, and 0207
- Broadest resistance range: 0.16 Ω to 10 M Ω
- Tight tolerances down to $\pm 0.1\%$
- Excellent pulse performance
- Lead (Pb)-free construction
- High-frequency styles available from 1 Ω to 1 K Ω
- Fusible types for constant voltage and constant current
- Jumper

Cylindrical SMD Resistors

Model	Function	Rated Power at 70 °C (W)	Resistance Range	Tolerance (%)	TC (ppm / K)	Applications
SMM0102 ● 2.2 mm x 1.1 mm	Standard, Professional	0.2	100 Ω ... 2.21 MΩ	± 0.1 / ± 1	± 15 / ± 25 / ± 50	AUTOMOTIVE: <ul style="list-style-type: none"> • Engine management • ABS and traction • Electronic displays • Security systems • Electronic gearboxes • Lighting • Dashboard • Climate controls MEASUREMENT: <ul style="list-style-type: none"> • Measuring tools / equipment • Calibrating transmitters • Test oscillators • HF-amplifiers • Precision scales • Measuring transducers • Test amplifiers INDUSTRIAL: <ul style="list-style-type: none"> • Heat pumps • Air conditioners • Smoke detectors • Garage door openers • Controls for printing machines • Fluid level gages SPACE / MILITARY: <ul style="list-style-type: none"> • Forward traveling wave tube amplifiers (ESA / SCC) • Ignition systems of guided missiles TELECOM: <ul style="list-style-type: none"> • Cell phones • Telephones • Switching equipment • Line cards MEDICAL: <ul style="list-style-type: none"> • X-ray equipment
OMM0102 2.2 mm x 1.1 mm	Jumper	$I \leq 2 \text{ A}$	$R \leq 10 \text{ m}\Omega$	—	—	
SMM0204 ● 3.6 mm x 1.4 mm	Standard, Professional	0.25	0.22 Ω ... 10 MΩ	± 0.1 / ± 0.25 / ± 0.5 / ± 1 / ± 5	± 15 / ± 25 / ± 50 / ± 100	
MS1 ● 3.6 mm x 1.4 mm	ESA / SCC	0.25	2.2 Ω ... 5.11 MΩ	± 0.1 / ± 0.5 / ± 1	± 15 / ± 25 / ± 50	
SMM0204HF ● 3.6 mm x 1.4 mm	High-Frequency	0.25	10 Ω ... 1.0 kΩ	± 1	± 50	
OMM0204 3.6 mm x 1.4 mm	Jumper	$I \leq 3 \text{ A}$	$R \leq 10 \text{ M}\Omega$	—	—	
PMM0204 ● 3.6 mm x 1.4 mm	Precision	0.125	100 Ω ... 221 kΩ	± 0.1 / ± 0.25	± 5 / ± 10 / ± 15 / ± 25 / ± 50	
Not for new designs						
SMM0207 ● 5.8 mm x 2.2 mm	Standard, Professional	1.0	0.16 Ω ... 2.21 MΩ	± 0.5 / ± 1 / ± 5	± 50 / ± 100	
OMM0207 5.8 mm x 2.2 mm	Jumper	$I \leq 5 \text{ A}$	$R \leq 10 \text{ M}\Omega$	—	—	
PMM0207 ● 5.8 mm x 2.2 mm	Precision	0.4	100 Ω ... 511 kΩ	± 0.1 / ± 0.25 / ± 0.5	± 5 / ± 10 / ± 15 / ± 25 / ± 50	
Not for new designs						
LCM0207SI ● 5.8 mm x 2.2 mm	Fusible, for constant voltage	0.25	0.22 Ω ... 1.0 kΩ	± 5	+ 300 ... - 250	
NMM0207SI ● 5.8 mm x 2.2 mm	Fusible, for constant current	0.35	0.10 Ω ... 47 Ω	± 5 / ± 10 / ± 20	+ 4500 (± 500)	

Technology: ● Metal Film ● Carbon Film

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